

Release notes for ENDF/B Development n-054\_Xe\_131  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=5446, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=5446, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      252 TO      460
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=5446, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=5446, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      252
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5446, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      462
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      721
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      738
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      769
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      791
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 17 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 17 | RECORD NUMBER | 800 |
| SECTION 3/ 17 NOT IN DIRECTORY            |               |     |
8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 22 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 22 | RECORD NUMBER | 806 |
| SECTION 3/ 22 NOT IN DIRECTORY            |               |     |
9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 24 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 24 | RECORD NUMBER | 815 |
| SECTION 3/ 24 NOT IN DIRECTORY            |               |     |
10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 28 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 28 | RECORD NUMBER | 822 |
| SECTION 3/ 28 NOT IN DIRECTORY            |               |     |
11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 41 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 41 | RECORD NUMBER | 831 |
| SECTION 3/ 41 NOT IN DIRECTORY            |               |     |
12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 51 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 51 | RECORD NUMBER | 837 |
| SECTION 3/ 51 NOT IN DIRECTORY            |               |     |
13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 52 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 52 | RECORD NUMBER | 854 |
| SECTION 3/ 52 NOT IN DIRECTORY            |               |     |
14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 53 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 53 | RECORD NUMBER | 870 |
| SECTION 3/ 53 NOT IN DIRECTORY            |               |     |
15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 54 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 54 | RECORD NUMBER | 885 |
| SECTION 3/ 54 NOT IN DIRECTORY            |               |     |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 55 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 55 | RECORD NUMBER | 899 |
| SECTION 3/ 55 NOT IN DIRECTORY            |               |     |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 56 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 56 | RECORD NUMBER | 914 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |     |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 57 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 57 | RECORD NUMBER | 929 |
| SECTION 3/ 57 NOT IN DIRECTORY            |               |     |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 58 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 58 | RECORD NUMBER | 942 |
| SECTION 3/ 58 NOT IN DIRECTORY            |               |     |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 59 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 59 | RECORD NUMBER | 956 |
| SECTION 3/ 59 NOT IN DIRECTORY            |               |     |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 60 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 60 | RECORD NUMBER | 970 |
| SECTION 3/ 60 NOT IN DIRECTORY            |               |     |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 61 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 61 | RECORD NUMBER | 984 |
| SECTION 3/ 61 NOT IN DIRECTORY            |               |     |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 62 (0): Directory (b)*

- |  |   |                   |
|--|---|-------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 62 |                   |
|  | SECTION 3/ 62 NOT IN DIRECTORY            | RECORD NUMBER 998 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 63 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 63 |                    |
|  | SECTION 3/ 63 NOT IN DIRECTORY            | RECORD NUMBER 1011 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 64 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 64 |                    |
|  | SECTION 3/ 64 NOT IN DIRECTORY            | RECORD NUMBER 1024 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 65 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 65 |                    |
|  | SECTION 3/ 65 NOT IN DIRECTORY            | RECORD NUMBER 1036 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT= 91 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT= 91 |                    |
|  | SECTION 3/ 91 NOT IN DIRECTORY            | RECORD NUMBER 1049 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=102 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=102 |                    |
|  | SECTION 3/102 NOT IN DIRECTORY            | RECORD NUMBER 1064 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=103 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=103 |                    |
|  | SECTION 3/103 NOT IN DIRECTORY            | RECORD NUMBER 1081 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=107 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=107 |                    |
|  | SECTION 3/107 NOT IN DIRECTORY            | RECORD NUMBER 1098 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=600 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=600 |                    |
|  | SECTION 3/600 NOT IN DIRECTORY            | RECORD NUMBER 1116 |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=601 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=601 |                    |
|  | SECTION 3/601 NOT IN DIRECTORY            | RECORD NUMBER 1128 |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=602 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=602 |                    |
|  | SECTION 3/602 NOT IN DIRECTORY            | RECORD NUMBER 1140 |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=603 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=603 |                    |
|  | SECTION 3/603 NOT IN DIRECTORY            | RECORD NUMBER 1152 |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=604 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=604 |                    |
|  | SECTION 3/604 NOT IN DIRECTORY            | RECORD NUMBER 1164 |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=605 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=605 |                    |
|  | SECTION 3/605 NOT IN DIRECTORY            | RECORD NUMBER 1176 |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=606 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=606 |                    |
|  | SECTION 3/606 NOT IN DIRECTORY            | RECORD NUMBER 1188 |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=607 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=607 |                    |
|  | SECTION 3/607 NOT IN DIRECTORY            | RECORD NUMBER 1200 |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=608 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT=608 |                    |
| SECTION 3/608 NOT IN DIRECTORY            | RECORD NUMBER 1211 |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=609 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT=609 |                    |
| SECTION 3/609 NOT IN DIRECTORY            | RECORD NUMBER 1222 |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=610 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT=610 |                    |
| SECTION 3/610 NOT IN DIRECTORY            | RECORD NUMBER 1233 |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=611 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT=611 |                    |
| SECTION 3/611 NOT IN DIRECTORY            | RECORD NUMBER 1244 |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=612 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT=612 |                    |
| SECTION 3/612 NOT IN DIRECTORY            | RECORD NUMBER 1255 |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=613 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT=613 |                    |
| SECTION 3/613 NOT IN DIRECTORY            | RECORD NUMBER 1266 |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=614 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT=614 |                    |
| SECTION 3/614 NOT IN DIRECTORY            | RECORD NUMBER 1277 |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=649 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 3, MT=649 |                    |
| SECTION 3/649 NOT IN DIRECTORY            | RECORD NUMBER 1288 |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=800 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=800 |                    |
|  | SECTION 3/800 NOT IN DIRECTORY            | RECORD NUMBER 1299 |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=801 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=801 |                    |
|  | SECTION 3/801 NOT IN DIRECTORY            | RECORD NUMBER 1317 |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=802 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=802 |                    |
|  | SECTION 3/802 NOT IN DIRECTORY            | RECORD NUMBER 1335 |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=803 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=803 |                    |
|  | SECTION 3/803 NOT IN DIRECTORY            | RECORD NUMBER 1350 |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=804 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=804 |                    |
|  | SECTION 3/804 NOT IN DIRECTORY            | RECORD NUMBER 1364 |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=805 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=805 |                    |
|  | SECTION 3/805 NOT IN DIRECTORY            | RECORD NUMBER 1378 |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=806 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=806 |                    |
|  | SECTION 3/806 NOT IN DIRECTORY            | RECORD NUMBER 1391 |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=807 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=807 |                    |
|  | SECTION 3/807 NOT IN DIRECTORY            | RECORD NUMBER 1404 |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=808 (0): Directory (b)*



- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=808 |                    |
|  | SECTION 3/808 NOT IN DIRECTORY            | RECORD NUMBER 1417 |
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=809 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=809 |                    |
|  | SECTION 3/809 NOT IN DIRECTORY            | RECORD NUMBER 1430 |
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=810 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=810 |                    |
|  | SECTION 3/810 NOT IN DIRECTORY            | RECORD NUMBER 1443 |
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=811 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=811 |                    |
|  | SECTION 3/811 NOT IN DIRECTORY            | RECORD NUMBER 1456 |
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=812 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=812 |                    |
|  | SECTION 3/812 NOT IN DIRECTORY            | RECORD NUMBER 1469 |
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=813 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=813 |                    |
|  | SECTION 3/813 NOT IN DIRECTORY            | RECORD NUMBER 1482 |
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=814 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=814 |                    |
|  | SECTION 3/814 NOT IN DIRECTORY            | RECORD NUMBER 1495 |
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 3, MT=849 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 3, MT=849 |                    |
|  | SECTION 3/849 NOT IN DIRECTORY            | RECORD NUMBER 1508 |
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 2 (0): Directory (b)*

- |  |               |      |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 2 | RECORD NUMBER | 1527 |
| SECTION 4/ 2 NOT IN DIRECTORY            |               |      |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 51 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 51 | RECORD NUMBER | 1643 |
| SECTION 4/ 51 NOT IN DIRECTORY            |               |      |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 52 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 52 | RECORD NUMBER | 1724 |
| SECTION 4/ 52 NOT IN DIRECTORY            |               |      |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 53 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 53 | RECORD NUMBER | 1799 |
| SECTION 4/ 53 NOT IN DIRECTORY            |               |      |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 54 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 54 | RECORD NUMBER | 1870 |
| SECTION 4/ 54 NOT IN DIRECTORY            |               |      |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 55 | RECORD NUMBER | 1973 |
| SECTION 4/ 55 NOT IN DIRECTORY            |               |      |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 56 | RECORD NUMBER | 2042 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 57 | RECORD NUMBER | 2109 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 58 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 58 | RECORD NUMBER | 2205 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 59 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 59 | RECORD NUMBER | 2270 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 60 | RECORD NUMBER | 2333 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 61 | RECORD NUMBER | 2396 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
75. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 62 | RECORD NUMBER | 2457 |
| SECTION 4/ 62 NOT IN DIRECTORY            |               |      |
76. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 63 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 63 | RECORD NUMBER | 2516 |
| SECTION 4/ 63 NOT IN DIRECTORY            |               |      |
77. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 64 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 64 | RECORD NUMBER | 2575 |
| SECTION 4/ 64 NOT IN DIRECTORY            |               |      |
78. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT= 65 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT= 65 | RECORD NUMBER | 2662 |
| SECTION 4/ 65 NOT IN DIRECTORY            |               |      |
79. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=600 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=600 |                    |
| SECTION 4/600 NOT IN DIRECTORY            | RECORD NUMBER 2731 |
80. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=601 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=601 |                    |
| SECTION 4/601 NOT IN DIRECTORY            | RECORD NUMBER 2782 |
81. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=602 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=602 |                    |
| SECTION 4/602 NOT IN DIRECTORY            | RECORD NUMBER 2833 |
82. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=603 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=603 |                    |
| SECTION 4/603 NOT IN DIRECTORY            | RECORD NUMBER 2884 |
83. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=604 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=604 |                    |
| SECTION 4/604 NOT IN DIRECTORY            | RECORD NUMBER 2935 |
84. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=605 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=605 |                    |
| SECTION 4/605 NOT IN DIRECTORY            | RECORD NUMBER 2986 |
85. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=606 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=606 |                    |
| SECTION 4/606 NOT IN DIRECTORY            | RECORD NUMBER 3037 |
86. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=607 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=607 |                    |
| SECTION 4/607 NOT IN DIRECTORY            | RECORD NUMBER 3088 |
87. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=608 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=608 |                    |
| SECTION 4/608 NOT IN DIRECTORY            | RECORD NUMBER 3139 |
88. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=609 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=609 |                    |
| SECTION 4/609 NOT IN DIRECTORY            | RECORD NUMBER 3190 |
89. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=610 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=610 |                    |
| SECTION 4/610 NOT IN DIRECTORY            | RECORD NUMBER 3241 |
90. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=611 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=611 |                    |
| SECTION 4/611 NOT IN DIRECTORY            | RECORD NUMBER 3292 |
91. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=612 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=612 |                    |
| SECTION 4/612 NOT IN DIRECTORY            | RECORD NUMBER 3343 |
92. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=613 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=613 |                    |
| SECTION 4/613 NOT IN DIRECTORY            | RECORD NUMBER 3394 |
93. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=614 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=614 |                    |
| SECTION 4/614 NOT IN DIRECTORY            | RECORD NUMBER 3445 |
94. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=800 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5446, MF= 4, MT=800 |                    |
| SECTION 4/800 NOT IN DIRECTORY            | RECORD NUMBER 3496 |
95. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=801 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=801 |                    |
|  | SECTION 4/801 NOT IN DIRECTORY            | RECORD NUMBER 3581 |
96. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=802 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=802 |                    |
|  | SECTION 4/802 NOT IN DIRECTORY            | RECORD NUMBER 3666 |
97. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=803 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=803 |                    |
|  | SECTION 4/803 NOT IN DIRECTORY            | RECORD NUMBER 3751 |
98. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=804 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=804 |                    |
|  | SECTION 4/804 NOT IN DIRECTORY            | RECORD NUMBER 3836 |
99. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=805 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=805 |                    |
|  | SECTION 4/805 NOT IN DIRECTORY            | RECORD NUMBER 3921 |
100. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=806 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=806 |                    |
|  | SECTION 4/806 NOT IN DIRECTORY            | RECORD NUMBER 4006 |
101. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=807 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=807 |                    |
|  | SECTION 4/807 NOT IN DIRECTORY            | RECORD NUMBER 4091 |
102. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=808 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=808 |                    |
|  | SECTION 4/808 NOT IN DIRECTORY            | RECORD NUMBER 4176 |
103. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=809 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=809 |                    |
|  | SECTION 4/809 NOT IN DIRECTORY            | RECORD NUMBER 4261 |
104. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=810 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=810 |                    |
|  | SECTION 4/810 NOT IN DIRECTORY            | RECORD NUMBER 4346 |
105. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=811 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=811 |                    |
|  | SECTION 4/811 NOT IN DIRECTORY            | RECORD NUMBER 4431 |
106. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=812 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=812 |                    |
|  | SECTION 4/812 NOT IN DIRECTORY            | RECORD NUMBER 4516 |
107. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=813 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=813 |                    |
|  | SECTION 4/813 NOT IN DIRECTORY            | RECORD NUMBER 4601 |
108. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 4, MT=814 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 4, MT=814 |                    |
|  | SECTION 4/814 NOT IN DIRECTORY            | RECORD NUMBER 4686 |
109. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT= 16 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT= 16 |                    |
|  | SECTION 6/ 16 NOT IN DIRECTORY            | RECORD NUMBER 4772 |
110. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT= 17 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT= 17 |                    |
|  | SECTION 6/ 17 NOT IN DIRECTORY            | RECORD NUMBER 6422 |
111. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT= 22 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT= 22 |                    |
|  | SECTION 6/ 22 NOT IN DIRECTORY            | RECORD NUMBER 6573 |
112. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT= 24 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT= 24 |                    |
|  | SECTION 6/ 24 NOT IN DIRECTORY            | RECORD NUMBER 8294 |
113. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT= 28 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT= 28 |                    |
|  | SECTION 6/ 28 NOT IN DIRECTORY            | RECORD NUMBER 8714 |
114. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT= 41 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT= 41 |                    |
|  | SECTION 6/ 41 NOT IN DIRECTORY            | RECORD NUMBER 9761 |
115. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT= 91 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT= 91 |                    |
|  | SECTION 6/ 91 NOT IN DIRECTORY            | RECORD NUMBER 9908 |
116. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT=102 (0): Directory (b)*
- |  |   |                     |
|--|---|---------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT=102 |                     |
|  | SECTION 6/102 NOT IN DIRECTORY            | RECORD NUMBER 16529 |
117. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT=649 (0): Directory (b)*
- |  |   |                     |
|--|---|---------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT=649 |                     |
|  | SECTION 6/649 NOT IN DIRECTORY            | RECORD NUMBER 18227 |
118. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF= 6, MT=849 (0): Directory (b)*
- |  |   |                     |
|--|---|---------------------|
|  | ERROR(S) FOUND IN MAT=5446, MF= 6, MT=849 |                     |
|  | SECTION 6/849 NOT IN DIRECTORY            | RECORD NUMBER 19642 |
119. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 51 (0): Directory (b)*



- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 51  
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER 21479
120. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 52  
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 21483
121. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 53  
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 21487
122. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 54  
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 21491
123. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 55  
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 21495
124. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 56  
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 21499
125. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 57  
SECTION 12/ 57 NOT IN DIRECTORY RECORD NUMBER 21503
126. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 58  
SECTION 12/ 58 NOT IN DIRECTORY RECORD NUMBER 21508
127. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 59 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 59  
SECTION 12/ 59 NOT IN DIRECTORY RECORD NUMBER 21512
128. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 60  
SECTION 12/ 60 NOT IN DIRECTORY RECORD NUMBER 21517
129. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 61  
SECTION 12/ 61 NOT IN DIRECTORY RECORD NUMBER 21522
130. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 62  
SECTION 12/ 62 NOT IN DIRECTORY RECORD NUMBER 21526
131. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 63 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 63  
SECTION 12/ 63 NOT IN DIRECTORY RECORD NUMBER 21530
132. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 64 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 64  
SECTION 12/ 64 NOT IN DIRECTORY RECORD NUMBER 21534
133. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT= 65 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT= 65  
SECTION 12/ 65 NOT IN DIRECTORY RECORD NUMBER 21538
134. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=601  
SECTION 12/601 NOT IN DIRECTORY RECORD NUMBER 21542
135. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=602 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5446, MF=12, MT=602  
SECTION 12/602 NOT IN DIRECTORY RECORD NUMBER 21546
136. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=603  
SECTION 12/603 NOT IN DIRECTORY RECORD NUMBER 21550
137. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=604  
SECTION 12/604 NOT IN DIRECTORY RECORD NUMBER 21554
138. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=605 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=605  
SECTION 12/605 NOT IN DIRECTORY RECORD NUMBER 21558
139. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=606 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=606  
SECTION 12/606 NOT IN DIRECTORY RECORD NUMBER 21562
140. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=607 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=607  
SECTION 12/607 NOT IN DIRECTORY RECORD NUMBER 21566
141. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=608 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=608  
SECTION 12/608 NOT IN DIRECTORY RECORD NUMBER 21570
142. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=609 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=609  
SECTION 12/609 NOT IN DIRECTORY RECORD NUMBER 21575
143. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=610 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5446, MF=12, MT=610  
SECTION 12/610 NOT IN DIRECTORY RECORD NUMBER 21580
144. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=611 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=611  
SECTION 12/611 NOT IN DIRECTORY RECORD NUMBER 21585
145. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=612 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=612  
SECTION 12/612 NOT IN DIRECTORY RECORD NUMBER 21590
146. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=613 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=613  
SECTION 12/613 NOT IN DIRECTORY RECORD NUMBER 21594
147. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=614 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=614  
SECTION 12/614 NOT IN DIRECTORY RECORD NUMBER 21599
148. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=801 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=801  
SECTION 12/801 NOT IN DIRECTORY RECORD NUMBER 21605
149. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=802  
SECTION 12/802 NOT IN DIRECTORY RECORD NUMBER 21609
150. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=803 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=803  
SECTION 12/803 NOT IN DIRECTORY RECORD NUMBER 21613
151. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=804 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5446, MF=12, MT=804  
SECTION 12/804 NOT IN DIRECTORY RECORD NUMBER 21617
152. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=805 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=805  
SECTION 12/805 NOT IN DIRECTORY RECORD NUMBER 21621
153. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=806 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=806  
SECTION 12/806 NOT IN DIRECTORY RECORD NUMBER 21625
154. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=807 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=807  
SECTION 12/807 NOT IN DIRECTORY RECORD NUMBER 21629
155. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=808 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=808  
SECTION 12/808 NOT IN DIRECTORY RECORD NUMBER 21633
156. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=809 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=809  
SECTION 12/809 NOT IN DIRECTORY RECORD NUMBER 21637
157. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=810 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=810  
SECTION 12/810 NOT IN DIRECTORY RECORD NUMBER 21641
158. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=811 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=811  
SECTION 12/811 NOT IN DIRECTORY RECORD NUMBER 21645
159. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=812 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5446, MF=12, MT=812  
SECTION 12/812 NOT IN DIRECTORY RECORD NUMBER 21649
160. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=813 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=813  
SECTION 12/813 NOT IN DIRECTORY RECORD NUMBER 21653
161. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=12, MT=814 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=12, MT=814  
SECTION 12/814 NOT IN DIRECTORY RECORD NUMBER 21657
162. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 51  
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 21662
163. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 52  
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 21664
164. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 53  
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 21666
165. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 54  
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 21668
166. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 55  
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 21670
167. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 56 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 56  
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 21672
168. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 57  
SECTION 14/ 57 NOT IN DIRECTORY RECORD NUMBER 21674
169. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 58  
SECTION 14/ 58 NOT IN DIRECTORY RECORD NUMBER 21676
170. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 59 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 59  
SECTION 14/ 59 NOT IN DIRECTORY RECORD NUMBER 21678
171. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 60  
SECTION 14/ 60 NOT IN DIRECTORY RECORD NUMBER 21680
172. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 61  
SECTION 14/ 61 NOT IN DIRECTORY RECORD NUMBER 21682
173. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 62  
SECTION 14/ 62 NOT IN DIRECTORY RECORD NUMBER 21684
174. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 63 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 63  
SECTION 14/ 63 NOT IN DIRECTORY RECORD NUMBER 21686
175. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 64 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 64  
SECTION 14/ 64 NOT IN DIRECTORY RECORD NUMBER 21688
176. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT= 65 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT= 65  
SECTION 14/ 65 NOT IN DIRECTORY RECORD NUMBER 21690
177. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=601  
SECTION 14/601 NOT IN DIRECTORY RECORD NUMBER 21692
178. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=602  
SECTION 14/602 NOT IN DIRECTORY RECORD NUMBER 21694
179. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=603  
SECTION 14/603 NOT IN DIRECTORY RECORD NUMBER 21696
180. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=604  
SECTION 14/604 NOT IN DIRECTORY RECORD NUMBER 21698
181. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=605 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=605  
SECTION 14/605 NOT IN DIRECTORY RECORD NUMBER 21700
182. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=606 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=606  
SECTION 14/606 NOT IN DIRECTORY RECORD NUMBER 21702
183. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=607 (0): Directory (b)*



- ERROR(S) FOUND IN MAT=5446, MF=14, MT=607  
SECTION 14/607 NOT IN DIRECTORY RECORD NUMBER 21704
184. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=608 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=608  
SECTION 14/608 NOT IN DIRECTORY RECORD NUMBER 21706
185. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=609 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=609  
SECTION 14/609 NOT IN DIRECTORY RECORD NUMBER 21708
186. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=610 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=610  
SECTION 14/610 NOT IN DIRECTORY RECORD NUMBER 21710
187. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=611 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=611  
SECTION 14/611 NOT IN DIRECTORY RECORD NUMBER 21712
188. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=612 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=612  
SECTION 14/612 NOT IN DIRECTORY RECORD NUMBER 21714
189. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=613 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=613  
SECTION 14/613 NOT IN DIRECTORY RECORD NUMBER 21716
190. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=614 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=614  
SECTION 14/614 NOT IN DIRECTORY RECORD NUMBER 21718
191. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=801 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5446, MF=14, MT=801  
SECTION 14/801 NOT IN DIRECTORY RECORD NUMBER 21720
192. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=802  
SECTION 14/802 NOT IN DIRECTORY RECORD NUMBER 21722
193. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=803 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=803  
SECTION 14/803 NOT IN DIRECTORY RECORD NUMBER 21724
194. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=804 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=804  
SECTION 14/804 NOT IN DIRECTORY RECORD NUMBER 21726
195. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=805 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=805  
SECTION 14/805 NOT IN DIRECTORY RECORD NUMBER 21728
196. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=806 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=806  
SECTION 14/806 NOT IN DIRECTORY RECORD NUMBER 21730
197. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=807 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=807  
SECTION 14/807 NOT IN DIRECTORY RECORD NUMBER 21732
198. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=808 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=808  
SECTION 14/808 NOT IN DIRECTORY RECORD NUMBER 21734
199. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=809 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=5446, MF=14, MT=809  
SECTION 14/809 NOT IN DIRECTORY RECORD NUMBER 21736
200. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=810 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=810  
SECTION 14/810 NOT IN DIRECTORY RECORD NUMBER 21738
201. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=811 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=811  
SECTION 14/811 NOT IN DIRECTORY RECORD NUMBER 21740
202. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=812 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=812  
SECTION 14/812 NOT IN DIRECTORY RECORD NUMBER 21742
203. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=813 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=813  
SECTION 14/813 NOT IN DIRECTORY RECORD NUMBER 21744
204. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=14, MT=814 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=14, MT=814  
SECTION 14/814 NOT IN DIRECTORY RECORD NUMBER 21746
205. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=33, MT= 2 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=33, MT= 2  
SECTION 33/ 2 NOT IN DIRECTORY RECORD NUMBER 21749
206. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=33, MT= 4 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=5446, MF=33, MT= 4  
SECTION 33/ 4 NOT IN DIRECTORY RECORD NUMBER 21839
207. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=33, MT= 16 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5446, MF=33, MT= 16  
SECTION 33/ 16 NOT IN DIRECTORY

RECORD NUMBER 21902

208. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5446, MF=33, MT=102 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5446, MF=33, MT=102  
SECTION 33/102 NOT IN DIRECTORY

RECORD NUMBER 21917

• **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 131. L = 1 / STRENGTH FUNCTION IS 7.52836E-06 / STRENGTH FUNCTION 7.52836E-06 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ISOTOPE MASS = 131. L = 1
STRENGTH FUNCTION IS 7.52836E-06
STRENGTH FUNCTION 7.52836E-06
... [1 more lines]
```

2. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.86000E-05 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.45390E+01 SHOULD BE 5.96862E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.86000E-05
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.86000E-05
DENSITY 7.45390E+01 SHOULD BE 5.96862E+01
```

3. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.44553E+01 SHOULD BE 5.96192E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.86000E-05
DENSITY 7.44553E+01 SHOULD BE 5.96192E+01
```

4. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.43762E+01 SHOULD BE 5.95558E+01 (0): URR dens. (a)*

```
FILE 2
SECTION 151
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.86000E-05
DENSITY 7.43762E+01 SHOULD BE 5.95558E+01
```

5. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.42970E+01 SHOULD BE 5.94924E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.42970E+01 SHOULD BE 5.94924E+01

6. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.42179E+01 SHOULD BE 5.94291E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.42179E+01 SHOULD BE 5.94291E+01

7. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.41389E+01 SHOULD BE 5.93658E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.41389E+01 SHOULD BE 5.93658E+01

8. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.40602E+01 SHOULD BE 5.93027E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.40602E+01 SHOULD BE 5.93027E+01

9. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.36671E+01 SHOULD BE 5.89880E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.36671E+01 SHOULD BE 5.89880E+01

10. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.32761E+01 SHOULD BE 5.86749E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.32761E+01 SHOULD BE 5.86749E+01

11. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.28876E+01 SHOULD BE 5.83638E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.28876E+01 SHOULD BE 5.83638E+01
12. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.25011E+01 SHOULD BE 5.80544E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.25011E+01 SHOULD BE 5.80544E+01
13. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.17346E+01 SHOULD BE 5.74406E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.17346E+01 SHOULD BE 5.74406E+01
14. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.09766E+01 SHOULD BE 5.68336E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.09766E+01 SHOULD BE 5.68336E+01
15. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 7.02272E+01 SHOULD BE 5.62335E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 7.02272E+01 SHOULD BE 5.62335E+01
16. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 6.94861E+01 SHOULD BE 5.56401E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 6.94861E+01 SHOULD BE 5.56401E+01
17. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.86000E-05 / DENSITY 6.86951E+01 SHOULD BE 5.50068E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.86000E-05  
DENSITY 6.86951E+01 SHOULD BE 5.50068E+01
18. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.94769E+01 SHOULD BE 8.90159E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.94769E+01 SHOULD BE 8.90159E+01
19. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.93652E+01 SHOULD BE 8.89159E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.93652E+01 SHOULD BE 8.89159E+01
20. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.92597E+01 SHOULD BE 8.88215E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.92597E+01 SHOULD BE 8.88215E+01
21. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.91540E+01 SHOULD BE 8.87269E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.91540E+01 SHOULD BE 8.87269E+01
22. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.90485E+01 SHOULD BE 8.86325E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.90485E+01 SHOULD BE 8.86325E+01
23. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.89430E+01 SHOULD BE 8.85381E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.89430E+01 SHOULD BE 8.85381E+01
24. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.88379E+01 SHOULD BE 8.84440E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.88379E+01 SHOULD BE 8.84440E+01
25. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.83133E+01 SHOULD BE 8.79746E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.83133E+01 SHOULD BE 8.79746E+01
26. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.77915E+01 SHOULD BE 8.75077E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.77915E+01 SHOULD BE 8.75077E+01
27. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.72731E+01 SHOULD BE 8.70438E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.72731E+01 SHOULD BE 8.70438E+01
28. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.67573E+01 SHOULD BE 8.65822E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.67573E+01 SHOULD BE 8.65822E+01
29. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.57343E+01 SHOULD BE 8.56668E+01 (0): URR dens. (a)*



- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.57343E+01 SHOULD BE 8.56668E+01
30. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.47227E+01 SHOULD BE 8.47616E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.47227E+01 SHOULD BE 8.47616E+01
31. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.37225E+01 SHOULD BE 8.38666E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.37225E+01 SHOULD BE 8.38666E+01
32. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.27335E+01 SHOULD BE 8.29816E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.27335E+01 SHOULD BE 8.29816E+01
33. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 9.16779E+01 SHOULD BE 8.20370E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 9.16779E+01 SHOULD BE 8.20370E+01
34. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.45390E+01 SHOULD BE 5.34095E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.45390E+01 SHOULD BE 5.34095E+01
35. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.44553E+01 SHOULD BE 5.33496E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.44553E+01 SHOULD BE 5.33496E+01
36. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.43762E+01 SHOULD BE 5.32929E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.43762E+01 SHOULD BE 5.32929E+01
37. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.42970E+01 SHOULD BE 5.32361E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.42970E+01 SHOULD BE 5.32361E+01
38. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.42179E+01 SHOULD BE 5.31795E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.42179E+01 SHOULD BE 5.31795E+01
39. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.41389E+01 SHOULD BE 5.31229E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.41389E+01 SHOULD BE 5.31229E+01
40. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.40602E+01 SHOULD BE 5.30664E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.40602E+01 SHOULD BE 5.30664E+01
41. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.36670E+01 SHOULD BE 5.27847E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.36670E+01 SHOULD BE 5.27847E+01
42. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.32761E+01 SHOULD BE 5.25046E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.32761E+01 SHOULD BE 5.25046E+01
43. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.28876E+01 SHOULD BE 5.22263E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.28876E+01 SHOULD BE 5.22263E+01
44. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.25011E+01 SHOULD BE 5.19493E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.25011E+01 SHOULD BE 5.19493E+01
45. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.17346E+01 SHOULD BE 5.14001E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.17346E+01 SHOULD BE 5.14001E+01
46. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.09766E+01 SHOULD BE 5.08570E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.09766E+01 SHOULD BE 5.08570E+01
47. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.02272E+01 SHOULD BE 5.03200E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.02272E+01 SHOULD BE 5.03200E+01
48. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 6.94861E+01 SHOULD BE 4.97889E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 6.94861E+01 SHOULD BE 4.97889E+01
49. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 6.86951E+01 SHOULD BE 4.92222E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 6.86951E+01 SHOULD BE 4.92222E+01
50. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.43054E+01 SHOULD BE 3.81497E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.43054E+01 SHOULD BE 3.81497E+01
51. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.42219E+01 SHOULD BE 3.81068E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.42219E+01 SHOULD BE 3.81068E+01
52. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.41431E+01 SHOULD BE 3.80663E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.41431E+01 SHOULD BE 3.80663E+01
53. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.40642E+01 SHOULD BE 3.80258E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.40642E+01 SHOULD BE 3.80258E+01
54. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.39853E+01 SHOULD BE 3.79853E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.39853E+01 SHOULD BE 3.79853E+01
55. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.39066E+01 SHOULD BE 3.79449E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.39066E+01 SHOULD BE 3.79449E+01
56. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.38281E+01 SHOULD BE 3.79046E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.38281E+01 SHOULD BE 3.79046E+01
57. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.34362E+01 SHOULD BE 3.77034E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.34362E+01 SHOULD BE 3.77034E+01
58. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.30465E+01 SHOULD BE 3.75033E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.30465E+01 SHOULD BE 3.75033E+01
59. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.26592E+01 SHOULD BE 3.73045E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.26592E+01 SHOULD BE 3.73045E+01
60. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.22739E+01 SHOULD BE 3.71067E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.22739E+01 SHOULD BE 3.71067E+01
61. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.15098E+01 SHOULD BE 3.67143E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.15098E+01 SHOULD BE 3.67143E+01
62. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.07542E+01 SHOULD BE 3.63264E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.07542E+01 SHOULD BE 3.63264E+01
63. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 7.00071E+01 SHOULD BE 3.59428E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 7.00071E+01 SHOULD BE 3.59428E+01
64. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 6.92683E+01 SHOULD BE 3.55635E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 6.92683E+01 SHOULD BE 3.55635E+01
65. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 1.40000E-04 / DENSITY 6.84798E+01 SHOULD BE 3.51587E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 1.40000E-04  
DENSITY 6.84798E+01 SHOULD BE 3.51587E+01
66. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.94770E+01 SHOULD BE 8.90159E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.94770E+01 SHOULD BE 8.90159E+01
67. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.93652E+01 SHOULD BE 8.89159E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.93652E+01 SHOULD BE 8.89159E+01
68. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.92597E+01 SHOULD BE 8.88215E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.92597E+01 SHOULD BE 8.88215E+01
69. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.91540E+01 SHOULD BE 8.87269E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.91540E+01 SHOULD BE 8.87269E+01
70. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.90485E+01 SHOULD BE 8.86325E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.90485E+01 SHOULD BE 8.86325E+01
71. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.89430E+01 SHOULD BE 8.85381E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.89430E+01 SHOULD BE 8.85381E+01
72. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.88379E+01 SHOULD BE 8.84440E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.88379E+01 SHOULD BE 8.84440E+01
73. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.83133E+01 SHOULD BE 8.79746E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.83133E+01 SHOULD BE 8.79746E+01
74. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.77915E+01 SHOULD BE 8.75077E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.77915E+01 SHOULD BE 8.75077E+01
75. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.72731E+01 SHOULD BE 8.70438E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.72731E+01 SHOULD BE 8.70438E+01
76. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.67573E+01 SHOULD BE 8.65822E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.67573E+01 SHOULD BE 8.65822E+01
77. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.57343E+01 SHOULD BE 8.56668E+01 (0): URR dens. (a)*



- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.57343E+01 SHOULD BE 8.56668E+01
78. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.47227E+01 SHOULD BE 8.47616E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.47227E+01 SHOULD BE 8.47616E+01
79. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.37225E+01 SHOULD BE 8.38666E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.37225E+01 SHOULD BE 8.38666E+01
80. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.27335E+01 SHOULD BE 8.29816E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.27335E+01 SHOULD BE 8.29816E+01
81. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.16779E+01 SHOULD BE 8.20370E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.16779E+01 SHOULD BE 8.20370E+01
82. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.45390E+01 SHOULD BE 5.34095E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.45390E+01 SHOULD BE 5.34095E+01
83. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.44553E+01 SHOULD BE 5.33496E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.44553E+01 SHOULD BE 5.33496E+01
84. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.43762E+01 SHOULD BE 5.32929E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.43762E+01 SHOULD BE 5.32929E+01
85. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.42970E+01 SHOULD BE 5.32361E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.42970E+01 SHOULD BE 5.32361E+01
86. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.42179E+01 SHOULD BE 5.31795E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.42179E+01 SHOULD BE 5.31795E+01
87. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.41389E+01 SHOULD BE 5.31229E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.41389E+01 SHOULD BE 5.31229E+01
88. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.40602E+01 SHOULD BE 5.30664E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.40602E+01 SHOULD BE 5.30664E+01
89. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.36671E+01 SHOULD BE 5.27847E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.36671E+01 SHOULD BE 5.27847E+01
90. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.32761E+01 SHOULD BE 5.25046E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.32761E+01 SHOULD BE 5.25046E+01
91. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.28876E+01 SHOULD BE 5.22263E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.28876E+01 SHOULD BE 5.22263E+01
92. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.25011E+01 SHOULD BE 5.19493E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.25011E+01 SHOULD BE 5.19493E+01
93. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.17346E+01 SHOULD BE 5.14001E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.17346E+01 SHOULD BE 5.14001E+01
94. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.09766E+01 SHOULD BE 5.08570E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.09766E+01 SHOULD BE 5.08570E+01
95. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.02272E+01 SHOULD BE 5.03200E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.02272E+01 SHOULD BE 5.03200E+01
96. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 6.94861E+01 SHOULD BE 4.97889E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 6.94861E+01 SHOULD BE 4.97889E+01
97. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 6.86951E+01 SHOULD BE 4.92222E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 6.86951E+01 SHOULD BE 4.92222E+01
98. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.43054E+01 SHOULD BE 3.81497E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.43054E+01 SHOULD BE 3.81497E+01
99. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.42220E+01 SHOULD BE 3.81068E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.42220E+01 SHOULD BE 3.81068E+01
100. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.41431E+01 SHOULD BE 3.80663E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.41431E+01 SHOULD BE 3.80663E+01
101. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.40642E+01 SHOULD BE 3.80258E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.40642E+01 SHOULD BE 3.80258E+01
102. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.39853E+01 SHOULD BE 3.79853E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.39853E+01 SHOULD BE 3.79853E+01
103. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.39066E+01 SHOULD BE 3.79449E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.39066E+01 SHOULD BE 3.79449E+01
104. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.38280E+01 SHOULD BE 3.79046E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.38280E+01 SHOULD BE 3.79046E+01
105. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.34362E+01 SHOULD BE 3.77034E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.34362E+01 SHOULD BE 3.77034E+01
106. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.30465E+01 SHOULD BE 3.75033E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.30465E+01 SHOULD BE 3.75033E+01
107. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.26592E+01 SHOULD BE 3.73045E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.26592E+01 SHOULD BE 3.73045E+01
108. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.22739E+01 SHOULD BE 3.71067E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.22739E+01 SHOULD BE 3.71067E+01
109. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.15098E+01 SHOULD BE 3.67143E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.15098E+01 SHOULD BE 3.67143E+01
110. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.07542E+01 SHOULD BE 3.63264E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.07542E+01 SHOULD BE 3.63264E+01
111. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 7.00071E+01 SHOULD BE 3.59428E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 7.00071E+01 SHOULD BE 3.59428E+01
112. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 6.92683E+01 SHOULD BE 3.55635E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 6.92683E+01 SHOULD BE 3.55635E+01
113. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 6.84798E+01 SHOULD BE 3.51587E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 6.84798E+01 SHOULD BE 3.51587E+01
114. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05 / ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.01355E+01 SHOULD BE 2.96720E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05  
ENERGY = 3.94520E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.01355E+01 SHOULD BE 2.96720E+01
115. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 9.00343E+01 SHOULD BE 2.96386E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 9.00343E+01 SHOULD BE 2.96386E+01
116. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.99386E+01 SHOULD BE 2.96072E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.99386E+01 SHOULD BE 2.96072E+01
117. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.98429E+01 SHOULD BE 2.95756E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.98429E+01 SHOULD BE 2.95756E+01
118. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.97472E+01 SHOULD BE 2.95442E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.97472E+01 SHOULD BE 2.95442E+01
119. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.96517E+01 SHOULD BE 2.95127E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.96517E+01 SHOULD BE 2.95127E+01
120. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.95564E+01 SHOULD BE 2.94813E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.95564E+01 SHOULD BE 2.94813E+01
121. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.90811E+01 SHOULD BE 2.93249E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.90811E+01 SHOULD BE 2.93249E+01
122. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.86083E+01 SHOULD BE 2.91692E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.86083E+01 SHOULD BE 2.91692E+01
123. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.81385E+01 SHOULD BE 2.90146E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.81385E+01 SHOULD BE 2.90146E+01
124. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.76712E+01 SHOULD BE 2.88607E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.76712E+01 SHOULD BE 2.88607E+01
125. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.67443E+01 SHOULD BE 2.85556E+01 (0): URR dens. (a)*



FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.67443E+01 SHOULD BE 2.85556E+01

126. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.58277E+01 SHOULD BE 2.82539E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.58277E+01 SHOULD BE 2.82539E+01

127. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.49214E+01 SHOULD BE 2.79555E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.49214E+01 SHOULD BE 2.79555E+01

128. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.40253E+01 SHOULD BE 2.76605E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.40253E+01 SHOULD BE 2.76605E+01

129. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.90000E-05 / DENSITY 8.30688E+01 SHOULD BE 2.73457E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 8.08033E+04. STRENGTH FUNCTION IS 7.90000E-05  
DENSITY 8.30688E+01 SHOULD BE 2.73457E+01

130. Non-threshold reaction with Q value differing from PSYCHE's expectations  
*FILE 3 / SECTION 107 / THE CALCULATED Q 6.28277E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00 (0): Iffy Q*

FILE 3  
SECTION 107  
THE CALCULATED Q 6.28277E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00

- recent Warnings:

1. Statistical weight of certain L values were incorrect  
*0: RRR goof (a)*

```
=====
Retrieval Criteria-----          MAT
File 2 Mimimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background-      Output (Resonance Contribution)
... [554 more lines]
```

• fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination  
*resonances / resolved (Error # 1): missingResonanceChannel*

```
WARNING: Missing a channel with angular momenta combination L = 0, J = 0.0 and S = 0.0 for "capture"
WARNING: Missing a channel with angular momenta combination L = 1, J = 0.0 and S = 1.0 for "capture"
WARNING: Missing a channel with angular momenta combination L = 1, J = 1.0 and S = 0.0 for "capture"
WARNING: Missing a channel with angular momenta combination L = 1, J = 1.0 and S = 1.0 for "capture"
... plus 3 more instances of this message
```

2. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (n + Xe131): / Form 'eval': / Component 0 (Error # 0): Condition num.*

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (n + Xe131): / Form 'eval': / Component 1 (Error # 0): Condition num.*

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 1 ((z,n)): / Form 'eval': (Error # 0): Condition num.*

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 2 (n[multiplicity:'2'] + Xe130 + gamma): / Form 'eval': (Error # 0): Condition num.*

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 3 (Xe132 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.*

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 3 (Xe132 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.*

```
WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
```

- fudge-4.0 Errors:

1. The spin statistical weights are off, indicating missing channels  
*resonances / resolved / MultiLevel\_BreitWigner (Error # 0): badSpinStatisticalWeights*

WARNING: The spin statistical weights for L=1 sums to 0.625, but should sum to 3.0. You have too few channels for

2. Calculated and tabulated Q values disagree.  
*reaction label 17: n[multiplicity:'2'] + Xe130 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6576957.550918579 eV vs -6.605e6 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 18: n[multiplicity:'3'] + Xe129 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -15033045.83070374 eV vs -1.5861e7 eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 19: n + H1 + I130 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8612857.346237183 eV vs -8.772e6 eV!

5. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 19: n + H1 + I130 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV

WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV

WARNING: Extra zero-probability outgoing energies found at incident energy 1.3e7 eV

WARNING: Extra zero-probability outgoing energies found at incident energy 1.4e7 eV

... plus 7 more instances of this message

6. Calculated and tabulated Q values disagree.  
*reaction label 20: H1 + I131 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -156769.0665130615 eV vs -1.89e5 eV!

7. Calculated and tabulated Q values disagree.  
*reaction label 21: H1 + I131\_e1 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -306479.0665130615 eV vs -338710. eV!

8. Calculated and tabulated Q values disagree.  
*reaction label 22: H1 + I131\_e2 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -649429.0665130615 eV vs -681660. eV!

9. Calculated and tabulated Q values disagree.  
*reaction label 23: H1 + I131\_e3 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -758809.0665130615 eV vs -791040. eV!

10. Calculated and tabulated Q values disagree.  
*reaction label 24: H1 + I131\_e4 (Error # 0): Q mismatch*

- WARNING: Calculated and tabulated Q-values disagree: -930429.0665130615 eV vs -962660. eV!
11. Calculated and tabulated Q values disagree.  
reaction label 25:  $H1 + I131\_e5$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1008979.066513062 eV vs -1041210. eV!

  12. Calculated and tabulated Q values disagree.  
reaction label 26:  $H1 + I131\_e6$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1033489.066513062 eV vs -1065720. eV!

  13. Calculated and tabulated Q values disagree.  
reaction label 27:  $H1 + I131\_e7$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1162539.066513062 eV vs -1194770. eV!

  14. Calculated and tabulated Q values disagree.  
reaction label 28:  $H1 + I131\_e8$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1216479.066513062 eV vs -1248710. eV!

  15. Calculated and tabulated Q values disagree.  
reaction label 29:  $H1 + I131\_e9$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1255029.066513062 eV vs -1287260. eV!

  16. Calculated and tabulated Q values disagree.  
reaction label 30:  $H1 + I131\_e10$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1303719.066513062 eV vs -1335950. eV!

  17. Calculated and tabulated Q values disagree.  
reaction label 31:  $H1 + I131\_e11$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1305749.066513062 eV vs -1337980. eV!

  18. Calculated and tabulated Q values disagree.  
reaction label 32:  $H1 + I131\_e12$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1440669.066513062 eV vs -1.4729e6 eV!

  19. Calculated and tabulated Q values disagree.  
reaction label 33:  $H1 + I131\_e13$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1454989.066513062 eV vs -1487220. eV!

  20. Calculated and tabulated Q values disagree.  
reaction label 34:  $H1 + I131\_e14$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1471939.066513062 eV vs -1504170. eV!

  21. Calculated and tabulated Q values disagree.  
reaction label 35:  $H1 + (I131\_c \rightarrow I131 + \text{gamma})$  (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1471939.066513062 eV vs -1504170. eV!

22. Calculated and tabulated Q values disagree.  
*reaction label 36: He4 + Te128 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 6372456.441207886 eV vs 6.224e6 eV!
23. Calculated and tabulated Q values disagree.  
*reaction label 37: He4 + Te128\_e1 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 5629156.441207886 eV vs 5.4807e6 eV!
24. Calculated and tabulated Q values disagree.  
*reaction label 38: He4 + Te128\_e2 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4875156.441207886 eV vs 4.7267e6 eV!
25. Calculated and tabulated Q values disagree.  
*reaction label 39: He4 + Te128\_e3 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4852366.441207886 eV vs 4703910. eV!
26. Calculated and tabulated Q values disagree.  
*reaction label 40: He4 + Te128\_e4 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4561086.441207886 eV vs 4412630. eV!
27. Calculated and tabulated Q values disagree.  
*reaction label 41: He4 + Te128\_e5 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4403716.441207886 eV vs 4255260. eV!
28. Calculated and tabulated Q values disagree.  
*reaction label 42: He4 + Te128\_e6 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4393406.441207886 eV vs 4244950. eV!
29. Calculated and tabulated Q values disagree.  
*reaction label 43: He4 + Te128\_e7 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4344376.441207886 eV vs 4195920. eV!
30. Calculated and tabulated Q values disagree.  
*reaction label 44: He4 + Te128\_e8 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4332456.441207886 eV vs 4.184e6 eV!
31. Calculated and tabulated Q values disagree.  
*reaction label 45: He4 + Te128\_e9 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4238916.441207886 eV vs 4090460. eV!
32. Calculated and tabulated Q values disagree.  
*reaction label 46: He4 + Te128\_e10 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4234456.441207886 eV vs 4.086e6 eV!

33. Calculated and tabulated Q values disagree.  
*reaction label 47: He4 + Te128\_e11 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4208776.441207886 eV vs 4060320. eV!
34. Calculated and tabulated Q values disagree.  
*reaction label 48: He4 + Te128\_e12 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4178866.441207886 eV vs 4030410. eV!
35. Calculated and tabulated Q values disagree.  
*reaction label 49: He4 + Te128\_e13 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4154416.441207886 eV vs 4005960. eV!
36. Calculated and tabulated Q values disagree.  
*reaction label 50: He4 + Te128\_e14 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4101836.441207886 eV vs 3953380. eV!
37. Calculated and tabulated Q values disagree.  
*reaction label 51: He4 + (Te128\_c -> Te128 + gamma) (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 4101836.441207886 eV vs 3953380. eV!
38. Calculated and tabulated Q values disagree.  
*reaction label 52: Xe132 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 9364205.693054199 eV vs 8.935e6 eV!
39. Calculated and tabulated Q values disagree.  
*reaction label 53: n + He4 + Te127 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -2083631.838531494 eV vs -2.551e6 eV!
40. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 53: n + He4 + Te127 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*
- WARNING: Extra zero-probability outgoing energies found at incident energy 9.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV  
 ... plus 9 more instances of this message
41. Calculated and tabulated Q values disagree.  
*reaction label 54: n[multiplicity:'2'] + He4 + Te126 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -8660589.389465332 eV vs -8.842e6 eV!
42. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 54: n[multiplicity:'2'] + He4 + Te126 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.45e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.5e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.6e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.7e7 eV  
 ... plus 3 more instances of this message

43. Calculated and tabulated Q values disagree.  
*reaction label 55: n[multiplicity:'2'] + H1 + I129 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -15189814.89717102 eV vs -1.5272e7 eV!

44. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 55: n[multiplicity:'2'] + H1 + I129 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.8e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 2.e7 eV

45. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

46. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

• njoy2012 Warnings:

1. Recoil is not given, so one-particle recoil approximation used.  
*heatr...prompt kerma (0): HEATR/hinit (4)*

---message from hinit---mf6, mt102 does not give recoil za= 54132  
 photon momentum recoil used.